



Culture media:

Eagle BME basal medium
MEM Eagle's Minimum Essential Medium
RPMI 1640
Middle DMEM Dulbecco's modified MEM
Middle GMEM Glasgow MEM
IMDM Iscove modified DMEM
McCoy the 5th
L-15 Medium Leibovitz L-15
Medium F-10 Ham's F-10
Medium F-12 Ham's F-12
Medium 199 199
M16
CS-C)

Chemical composition:

- Balanced Salt Solution (BSS): mixture of salts inorganic supplemented with glucose
- Amino acids, amino acid supplementation essential to adding glutamine 2mM concentration prior to use of the medium
- Vitamins
- Glucose
- Other molecules, lipids, pyruvate, etc ...
- Serum, adding hormones and growth factors. Calf serum (CF), bovine serum fetal (FCS), horse serum (HS)
- Serum source human (HUS).
- Lines without serum grow and other lines that do not grow in the presence of serum. concentrations minimum may stimulate or inhibit cell growth.

Defined formulations:

Factors accession
Protease inhibitors, hormones, factors
Growth, trace elements: Cu, Se and Fe
Proteins

Physical properties:

- pH around 7.4 and controlled by CO₂ incubator and buffer substances contained in the medium formulation: HEPES. Culture medium includes phenol red pH indicator.
- osmolality, which typically ranges generally between 260-320 mOsm / kg.
- Temperature influences the pH
- Viscosity serum concentration
- Surface tension, low to prevent foaming

histotípicos crops: three dimensional structures similar to the original tissue

- High-density cultures on a p. filter
- Perfusion and overgrowth of monocapaen (disk or bottle)
- reaggregation suspension on agar, actual or simulated zero gravity
- Infiltration of a three dimensional matrix like collagen gel

the organotypic culture
(Similar to the culture media histotípico)

Presentation:

A sample of the cell lines used,
in the molecular biology department of the Foundation.
Ongoing research of nervous tissues

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Dr. J. Mas Manjon

